| [L ]   | Hits  | Search Text   | DB  | Time stamp          |
|--------|-------|---|---|---------------------|
| Number | HI CS |   |   |                     |
| _      | 25732 | ((ozone near8 generator) or (ozone near9 (gas or atmosphere)))  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/04/21<br>07:22 |
| -      | 93487 | ((wafer or semiconductor or substrate) near15 (spin or spinning or rotate or rotates or rotary or rotating or turning   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/04/21<br>07:25 |
| -      | 56612 | or centrifuge or centrifuging)) (((spray or sprayer or spraying or jet or nozzle or jetted) near15 (water or liquid or chemicals or acid or solution or   | USPAT;<br>US-PGPUB;<br>EPO; JPO;            | 2004/04/21<br>07:34 |
|        |       | solvent)) near15 (wash or washing or clean or cleaning or rinse or rinsing or rinsed))  | DERWENT                                     |                     |
| -      | 136   | <pre>(((ozone near8 generator) or (ozone near9 (gas or atmosphere)))) and (((wafer or semiconductor or substrate) near15 (spin or spinning or rotate or rotates or rotary or rotating or turning or centrifuge or centrifuging))) and ((((spray or sprayer or spraying or jet</pre>   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/04/21          |
|        |       | or nozzle or jetted) near15 (water or liquid or chemicals or acid or solution or solvent)) near15 (wash or washing or clean or cleaning or rinse or rinsing or rinsed)))  |   |                     |
|        | 56885 | (((spray or sprayer or spraying or jet or nozzle or jetted) near15 (water or liquid or chemicals or acid or solution or solvent)) near15 (wash or washing or clean or cleaning or rinse or rinsing or rinsed or decontamination or  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/04/21 07:33    |
| *      | 136   | decontaminate or decontaminating)) (((ozone near8 generator) or (ozone near9 (gas or atmosphere)))) and (((wafer or semiconductor or substrate) near15 (spin or spinning or rotate or rotates or rotary or rotating or turning or centrifuge or centrifuging))) and ((((spray or sprayer or spraying or jet or nozzle or jetted) near15 (water or liquid or chemicals or acid or solution or solvent)) near15 (wash or washing or clean or cleaning or rinse or rinsing or rinsed or decontamination or | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/04/21          |
| -      | 10333 | decontaminate or decontaminating)))   | USOCR                                       | 2004/04/21 07:35    |
| _      | 13    | "5896875" and ozone   | USPAT                                       | 2004/04/21 08:13    |
| -      | 16    | "5896875" and (hot or heat or heater or heated)   | USPAT                                       | 2004/04/21 09:10    |
| ~      | 7     |   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/04/21          |
| -      | 169   |   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/04/21 09:53    |

| _ | 7   | "5518542" and ozone   | USPAT                 | 2004/04/21 10:50    |
|---|-----|---|-----------------------|---------------------|
| - | 27  | (ozone near5 generator) and ((sonic or ultrasonic or megasonic or vibrator or     | USPAT;<br>US-PGPUB;   | 2004/04/21<br>10:26 |
|   |     | vibration or oscillation or oscillator or   | EPO; JPO;             |                     |
|   |     | oscillating) near27 (nozzle or jet or   | DERWENT               |                     |
|   |     | spray or sprayer)) and (wafer or  |                       |                     |
| _ | 0   | semiconductor or substrate)<br>  (ozone near5 generator) and ((sonic or           | USOCR                 | 2004/04/21          |
| - |     | ultrasonic or megasonic or vibrator or  | Obeck                 | 10:09               |
|   |     | vibration or oscillation or oscillator or   |                       |                     |
|   |     | oscillating) near27 (nozzle or jet or   | ·                     |                     |
|   |     | spray or sprayer)) and (wafer or  |                       |                     |
| _ | 0   | semiconductor or substrate)<br>  (ozone near5 generator) and ((sonic or           | USOCR                 | 2004/04/21          |
|   | Ŭ   | ultrasonic or megasonic or vibrator or  | 020011                | 10:10               |
|   | J.  | vibration or oscillation or oscillator or   |                       |                     |
|   |     | oscillating) near27 (jig or carrier or  |                       |                     |
|   |     | holder or chuck)) and (nozzle or jet or   |                       |                     |
|   |     | spray or sprayer) and (wafer or semiconductor or substrate)                       |                       |                     |
| _ | 5   | (ozone near5 generator) and ((sonic or  | USPAT;                | 2004/04/21          |
|   | ·   | ultrasonic or megasonic or vibrator or  | US-PGPUB;             | 10:19               |
|   |     | vibration or oscillation or oscillator or   | EPO; JPO;             |                     |
|   |     | oscillating) near27 (jig or carrier or holder or chuck)) and (nozzle or jet or    | DERWENT;<br>IBM TDB   |                     |
|   |     | spray or sprayer) and (Mozzie of jet of   | IDM_IDB               |                     |
|   |     | semiconductor or substrate)   |                       |                     |
| _ | 5   | (ozone near20 generator) and ((sonic or   | USPAT;                | 2004/04/21          |
|   |     | ultrasonic or megasonic or vibrator or  | US-PGPUB;             | 10:20               |
|   |     | vibration or oscillation or oscillator or oscillating) near27 (jig or carrier or  | EPO; JPO;<br>DERWENT; |                     |
|   |     | holder or chuck)) and (nozzle or jet or   | IBM TDB               |                     |
|   |     | spray or sprayer) and (wafer or   | _                     |                     |
|   | _   | semiconductor or substrate)   |                       |                     |
| - | 8   | "5964954" and ozone   | USPAT                 | 2004/04/21          |
| _ | 8   | <br>  (ozone near25 generator) and ((sonic or                                     | USPAT;                | 2004/04/21          |
|   | Ů   | ultrasonic or megasonic or vibrator or  | US-PGPUB;             | 10:28               |
|   |     | vibration or oscillation or oscillator or   | EPO; JPO;             |                     |
|   |     | oscillating) near27 (carrier or chuck or  | DERWENT;              |                     |
|   |     | rotor or holder)) and (wafer or semiconductor or substrate)                       | IBM_TDB               |                     |
| _ | 8   | (ozone near25 generator) and ((sonic or   | USPAT;                | 2004/04/21          |
|   |     | ultrasonic or megasonic or vibrator or  | US-PGPUB;             | 10:28               |
|   |     | vibration or oscillation or oscillator or   | EPO; JPO;             |                     |
|   |     | oscillating or vibrated or shaken or  | DERWENT;              |                     |
|   |     | oscillated or vibrating) near27 (carrier or chuck or rotor or holder)) and (wafer | IBM_TDB               |                     |
|   |     | or semiconductor or substrate)  |                       |                     |
| - | 14  | (ozone near25 generator) and ((sonic or   | USPAT;                | 2004/04/21          |
|   | ,   | ultrasonic or megasonic or vibrator or  | US-PGPUB;             | 11:12               |
|   |     | vibration or oscillation or oscillator or oscillating or vibrated or shaken or    | EPO; JPO; DERWENT;    |                     |
|   |     | oscillated or vibrating) same (carrier or   | IBM TDB               |                     |
|   |     | chuck or rotor or holder)) and (wafer or  |                       |                     |
|   |     | semiconductor or substrate)   |                       | 0004/04/01          |
|   | 240 | (ozone near25 generator) and ((sonic or ultrasonic or megasonic or vibrator or    | USPAT;<br>US-PGPUB;   | 2004/04/21          |
|   |     | vibration or oscillation or oscillator or   | EPO; JPO;             | 10.33               |
|   | ,   | oscillating or vibrated or shaken or  | DERWENT;              |                     |
|   |     | oscillated or vibrating)) and (wafer or   | IBM_TDB               |                     |
| ļ | 1   | semiconductor or substrate)   | HEOCE                 | 2004/04/21          |
| - | 1   | (ozone near25 generator) and ((sonic or ultrasonic or megasonic or vibrator or    | USOCR                 | 2004/04/21          |
|   |     | vibration or oscillation or oscillator or   |                       |                     |
|   |     | oscillating or vibrated or shaken or  |                       | ' '                 |
|   |     | oscillated or vibrating) same (carrier or   |                       |                     |
|   |     | chuck or rotor or holder)) and (wafer or semiconductor or substrate)              |                       |                     |
|   |     | semiconductor or substrate)   |                       | l .                 |

| - | 189  | (ozone near25 generator) and ((sonic or ultrasonic or megasonic or vibrator or vibration or oscillator or oscillating or vibrated or shaken or oscillated or vibrating)) and (wafer or   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM TDB | 2004/04/28<br>07:36          |
|---|------|--|---|------------------------------|
|   |      | semiconductor or substrate) and (wash or washing or clean or cleaning or rinse or rinsing or rinsed)   | ,   |                              |
| - | 0    | "6615277" and ozone  | USPAT   | 2004/04/21<br>10:50          |
| _ | 4    | "6165277" and ozone  | USPAT   | 2004/04/21<br>11:12          |
| - | 218  | ((carrier or chuck or rotor or holder) near10 (sonic or ultrasonic or megasonic or vibrator or vibration or oscillation or oscillator or oscillating or vibrated or shaken or oscillated or vibrating)) same (wafer or substrate or semiconductor) near15 ((wash or washing or clean or cleaning or rinse or rinsing or rinsed or decontaminated or      | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT             | 2004/04/21<br>12:49          |
| _ | 49   | decontamination or decontaminating))<br>29/\$.CCLS. AND DISHWASHER   | USPAT   | 2004/04/23                   |
| _ | . 19 | "6240933"  | USPAT   | 06:12<br>2004/04/28          |
| - | 5    | "6240933" and (sonic or megasonic or ultrasonic or vibrate or vibration)   | USPAT   | 06:25<br>2004/04/28<br>06:48 |
| - | 0    | "6591845" and (sonic or megasonic or ultrasonic or vibrate or vibration)   | USPAT   | 2004/04/28                   |
| _ | 1    | "6591845"  | USPAT   | 2004/04/28<br>06:50          |
| - | 8926 | (ozone near15 generator) or (ozone near15 (gas or atmosphere)) and (wafer or semiconductor or substrate) and (spray or sprayer or nozzle or jet) and (spin or spinning or rotor or rotate or rotary or turn or turning) and (wash or washing or clean or cleaning or rinse or rinsing or decontaminate or decontamination or decontamination)            | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/04/28                   |
| _ | 8926 | ((ozone near15 generator) or (ozone near15 (gas or atmosphere)) and (wafer or semiconductor or substrate) and (spray or sprayer or nozzle or jet) and (spin or spinning or rotor or rotate or rotary or turn or turning) and (wash or washing or clean or cleaning or rinse or rinsing or decontaminate or decontamination or decontamination)           | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/04/28<br>07:01          |
| - | 8291 | ((ozone near15 generator) or (ozone near15 (gas or atmosphere)) and (((wafer or semiconductor or substrate) and (spray or sprayer or nozzle or jet) near25 (spin or spinning or rotor or rotate or rotary or turn or turning)) same (wash or washing or clean or cleaning or rinse or  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/04/28<br>07:02          |
| _ | 8266 | rinsing or decontaminate or decontamination or decontamination)) ((ozone near15 generator) or (ozone near15 (gas or atmosphere)) and (((wafer or semiconductor or substrate) and (spray or sprayer or nozzle or jet) near25 (spin or spinning or rotor or rotate or rotary or turn or turning)) near25 (wash or washing or clean or cleaning or rinse or | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/04/28<br>07:02          |
|   |      | rinsing or decontaminate or decontamination)))   | 1   |                              |

| - | 45  | (((ozone near15 generator) or (ozone  | USPAT;              | 2004/04/28          |
|---|-----|---|---------------------|---------------------|
|   |     | near15 (gas or atmosphere))) and (((wafer   | US-PGPUB;           | 07:02               |
|   |     | or semiconductor or substrate) and (spray   | EPO; JPO;           |                     |
|   |     | or sprayer or nozzle or jet) near25 (spin   | DERWENT;<br>IBM TDB |                     |
|   |     | or spinning or rotor or rotate or rotary or turn or turning)) near25 (wash or     | I DIM_I DB          |                     |
|   |     | washing or clean or cleaning or rinse or  |                     |                     |
|   |     | rinsing or decontaminate or   |                     |                     |
|   |     | decontamination or decontamination)))   |                     |                     |
| _ | 77  | (((ozone near15 generator) or (ozone  | USPAT;              | 2004/04/28          |
|   |     | near15 (gas or atmosphere))) and (((wafer   | US-PGPUB;           | 07:13               |
|   |     | or semiconductor or substrate) and (spray   | EPO; JPO;           |                     |
|   |     | or sprayer or nozzle or jet) near25 (spin   | DERWENT;            | -                   |
|   |     | or spinning or rotor or rotate or rotary  | IBM_TDB             |                     |
|   |     | or turn or turning)) same (wash or  |                     |                     |
|   |     | washing or clean or cleaning or rinse or  |                     |                     |
|   |     | rinsing or decontaminate or   |                     |                     |
|   |     | decontamination or decontamination)))   | псраш.              | 2004/04/20          |
| - | 553 | (((wafer or semiconductor or substrate) near15 (batch or boat or carrier)) and    | USPAT;<br>US-PGPUB; | 2004/04/28<br>07:16 |
|   |     | ((wafer or semiconductor or substrate)  | EPO; JPO;           | 07.16               |
|   |     | near15 (single or individual))) and   | DERWENT;            |                     |
|   |     | ((heat or heater or hot or heated or  | IBM TDB             |                     |
|   |     | heating) or (sonic or ultrasonic or   |                     |                     |
|   |     | megasonic or hertz or mhz or vibration or   |                     |                     |
|   |     | vibrate or socillator or oscillation or   |                     |                     |
|   |     | oscillate) or ozone) and 134/\$.ccls.   |                     | •                   |
| _ | 41  | (ozone near15 (gas or atmosphere or   | USPAT;              | 2004/04/28          |
| • |     | generator or supply)) and ((sonic or  | US-PGPUB;           | 07:50               |
|   |     | ultrasonic or megasonic or vibrator or  | EPO; JPO;           |                     |
| 0 |     | vibration or oscillation or oscillator or   | DERWENT;            |                     |
|   |     | oscillating or vibrated or shakened or  | IBM_TDB             |                     |
|   |     | shook or oscillated or vibrating or   |                     |                     |
|   |     | vibration)) same ((wafer or semiconductor   |                     |                     |
|   |     | or substrate) near18 (spin or spinning or rotate or rotary or rotor or rotary or  | •                   |                     |
|   |     | centrifuge or centrifuging or rotates or  |                     |                     |
|   |     | spinner or spins)) same (wash or washing  |                     |                     |
|   | •   | or clean or cleaning or rinse or rinsing  |                     |                     |
|   |     | or decontaminate or decontamination or  |                     |                     |
| - |     | rinsed)   |                     |                     |
| - | 0   | (ozone near15 (gas or atmosphere or   | USOCR               | 2004/04/28          |
| * |     | generator or supply)) and ((sonic or  |                     | 09:01               |
|   |     | ultrasonic or megasonic or vibrator or  |                     |                     |
|   |     | vibration or oscillation or oscillator or   | - 2:                |                     |
|   |     | oscillating or vibrated or shakened or  |                     |                     |
|   |     | shook or oscillated or vibrating or vibration)) same ((wafer or semiconductor     |                     |                     |
|   |     | or substrate) near18 (spin or spinning or   |                     |                     |
|   |     | rotate or rotary or rotor or rotary or  |                     |                     |
|   |     | centrifuge or centrifuging or rotates or  |                     |                     |
|   |     | spinner or spins)) same (wash or washing  |                     |                     |
|   |     | or clean or cleaning or rinse or rinsing  |                     |                     |
|   |     | or decontaminate or decontamination or  |                     |                     |
|   |     | rinsed)   |                     |                     |
| - | 9   | 1 (   | USOCR               | 2004/04/28          |
| 1 |     | vibrator or vibration or oscillation or   |                     | 09:01               |
|   |     | oscillator or oscillating or vibrated or  |                     |                     |
| 1 |     | shakened or shook or oscillated or  |                     |                     |
| 4 |     | vibrating or vibration)) same ((wafer or  |                     |                     |
| 1 |     | semiconductor or substrate) near18 (spin or spinning or rotate or rotary or rotor |                     | ,                   |
|   |     | or rotary or centrifuge or centrifuging   |                     |                     |
|   |     | or rotates or spinner or spins)) same   |                     |                     |
|   |     | (wash or washing or clean or cleaning or  |                     | 0                   |
| 1 |     | rinse or rinsing or decontaminate or  |                     |                     |
| 1 | 77  | decontamination or rinsed)  |                     |                     |

|     |      |   |                        | 1 2 2 2 4 4 2 4 4 2 2 |
|-----|------|---|------------------------|-----------------------|
| -   | 664  | ((sonic or ultrasonic or megasonic or   | USPAT;                 | 2004/04/28            |
|     |      | vibrator or vibration or oscillation or   | US-PGPUB;              | 11:22                 |
|     | 1.   | oscillator or oscillating or vibrated or shakened or shook or oscillated or     | EPO; JPO;<br>DERWENT;  |                       |
|     |      | vibrating or vibration)) same ((wafer or  | IBM TDB                |                       |
|     |      | semiconductor or substrate) near18 (spin  | 1511_155               |                       |
|     |      | or spinning or rotate or rotary or rotor  |                        |                       |
|     |      | or rotary or centrifuge or centrifuging   |                        |                       |
|     |      | or rotates or spinner or spins)) same   |                        |                       |
|     |      | (wash or washing or clean or cleaning or  |                        |                       |
|     |      | rinse or rinsing or decontaminate or  |                        |                       |
| ĺ   |      | decontamination or rinsed)  |                        |                       |
| -   | · 5  | "human body" near15 (clean or wash or   | USPAT                  | 2004/04/28            |
|     |      | decontaminate) near15 (method or precess)                                       |                        | 11:24                 |
| -   | 10   | "human body" near15 (clean or wash or .   | USPAT                  | 2004/04/29            |
|     |      | decontaminate) near15 (method or process)                                       |                        | 06:55                 |
| - · | 2    | "6325081" and (heat or heater heating or  | USPAT                  | 2004/04/29            |
|     |      | hot)  | 11.0 D D M             | 06:57                 |
|     | 0    | "6199567" and (heat or heater heating of  | USPAT                  | 2004/04/29            |
|     | 6611 | hot)  | HCDAM.                 | 07:14                 |
| -   | 6611 | (wafer or semiconductor or substrate) same ((reservoir or supply) near5 (heated | USPAT;<br>US-PGPUB;    | 2004/04/29            |
| 1   |      | or heat or heater)  | EPO; JPO;              | 07.10                 |
| 1   |      | OI Heat Of Heater))   | DERWENT                | 0                     |
| l _ | . 57 | (wafer or semiconductor or substrate)   | USPAT;                 | 2004/04/29            |
| - ' | 3/   | same ((reservoir or supply) near5 (heated                                       | US-PGPUB;              | 07:22                 |
|     |      | or heat or heater)) same (sonic or  | EPO; JPO;              |                       |
| 1   |      | ultrasonic or megasonic or vibrated or  | DERWENT                |                       |
|     |      | oscillator or oscillating)  |                        |                       |
| _   | 488  | ((wafer or semiconductor or substrate)  | USPAT;                 | 2004/04/29            |
| 1   |      | same (wash or washing or clean or   | US-PGPUB;              | 07:34                 |
|     |      | cleaning or rinse or rinsing or   | EPO; JPO;              | ·                     |
|     |      | decontamination or decontaminate)) and  | DERWENT                |                       |
|     |      | ((reservoir or supply) near5 (heated or   |                        |                       |
|     |      | heat or heater)) and (sonic or ultrasonic                                       |                        |                       |
|     |      | or megasonic or vibrated or oscillator or                                       |                        |                       |
|     |      | oscillating)  | *******                | 2004/04/20            |
| -   | 67   | ((wafer or semiconductor or substrate)  | USPAT;                 | 2004/04/29            |
|     |      | same (wash or washing or clean or cleaning or rinse or rinsing or               | US-PGPUB;<br>EPO; JPO; | 07:58                 |
|     |      | decontamination or decontaminate)) and  | DERWENT                |                       |
|     |      | ((reservoir or supply) near5 (heated or   | DEKWENT                |                       |
|     |      | heat or heater)) and (sonic or ultrasonic                                       |                        |                       |
|     |      | or megasonic or vibrated or oscillator or                                       |                        |                       |
|     |      | oscillating) and (ozone near10 (gas or  |                        |                       |
| -   |      | atmosphere))  |                        |                       |
| -   | 538  | (((wafer or semiconductor or substrate)   | JPO;                   | 2004/04/29            |
|     |      | near15 (batch or boat or carrier)) and  | DERWENT                | 08:15                 |
|     | 1    | ((wafer or semiconductor or substrate)  |                        |                       |
| 1   | 1    | near15 (single or individual))) and   |                        |                       |
|     | 1    | ((heat or heater or hot or heated or  |                        |                       |
|     | 1    | heating) or (sonic or ultrasonic or   |                        |                       |
|     | 1    | megasonic or hertz or MHZ or vibration or                                       |                        |                       |
|     | 1    | vibrate or oscillator or oscillation or   |                        |                       |
|     | 2145 | oscillate) or ozone) ((wafer or semiconductor or substrate)                     | JPO;                   | 2004/04/29            |
| ~   | 2145 | near15 (washing or wash or rinsed or  | DERWENT                | 08:20                 |
|     | 1    | rinsing or decontaminate or   | ·                      | *****                 |
|     |      | decontagmination or decontaminating)) and                                       |                        |                       |
|     | 1    | ((holder or support or chuck or jig)  |                        |                       |
|     |      | neat15 (sonic or ultrasonic or megasonic  |                        |                       |
|     | 1    | or oscillator or oscillate or oscillation                                       |                        |                       |
|     |      | or vibrate or vibration or vibrating))  |                        |                       |
| _   | 1567 | ((wafer or semiconductor or substrate)  | JPO;                   | 2004/04/29            |
|     |      | near15 (washing or wash or rinsed or  | DERWENT                | 08:20                 |
|     |      | rinsing or decontaminate or   |                        |                       |
|     |      | decontagmination or decontaminating))   | 1                      | 1                     |
|     |      | same ((holder or support or chuck or jig)                                       | 1                      |                       |
| 1   |      | neat15 (sonic or ultrasonic or megasonic  | 1                      |                       |
| 1   |      | or oscillator or oscillate or oscillation                                       | 1                      |                       |
| 1.  | 1    | or vibrate or vibration or vibrating))  |                        | 1                     |

| -   | 701 | ((wafer or semiconductor or substrate)  | JPO                 | 2004/04/29 |
|-----|-----|---|---------------------|------------|
|     |     | near15 (washing or wash or rinsed or  |                     | 08:23      |
|     |     | rinsing or decontaminate or   |                     |            |
|     |     | decontazmination or decontaminating))   |                     |            |
|     |     | same ((holder or support or chuck or jig)                                     |                     |            |
| 0.0 |     | neat15 (sonic or ultrasonic or megasonic                                      |                     | l l        |
|     |     | or oscillator or oscillate or oscillation                                     |                     |            |
|     |     | or vibrate or vibration or vibrating))  |                     | 0004/04/00 |
| -   | 33  |   | USPAT;              | 2004/04/29 |
|     |     | near15 (washing or wash or rinsed or  | US-PGPUB;           | 08:24      |
|     |     | rinsing or decontaminate or   | EPO; JPO;           |            |
|     |     | decontamination or decontaminating)) and                                      | DERWENT;            |            |
|     |     | ((holder or support or chuck or jig)  | IBM_TDB             |            |
| j   |     | near15 (sonic or ultrasonic or megasonic                                      | •                   |            |
|     |     | or oscillator or oscillate or oscillation                                     |                     | •          |
|     |     | or vibrate or vibration or vibrating))  |                     |            |
|     |     | and ozone   |                     | 0004/04/00 |
| -   | 413 | ((wafer or semiconductor or substrate)  | USPAT;              | 2004/04/29 |
| 1   | i   | near15 (washing or wash or rinsed or  | US-PGPUB;           | 08:31      |
|     |     | rinsing or decontaminate or   | EPO; JPO;           |            |
|     | ·   | decontamination or decontaminating)) and                                      | DERWENT;            | . 0        |
|     |     | ((holder or support or chuck or jig)  | IBM_TDB             |            |
|     |     | near15 (sonic or ultrasonic or megasonic                                      |                     |            |
|     | 1   | or oscillator or oscillate or oscillation                                     |                     | 7          |
|     |     | or vibrate or vibration or vibrating))  |                     |            |
| -   | 416 | ((wafer or semiconductor or substrate)  | USPAT;              | 2004/04/29 |
|     |     | near15 (washing or wash or rinsed or  | US-PGPUB;           | 08:31      |
|     | l   | rinsing or decontaminate or   | EPO; JPO;           |            |
|     | 1   | decontamination or decontaminating)) and                                      | DERWENT;            |            |
|     |     | ((holder or support or chuck or jig)  | IBM_TDB             |            |
|     |     | near15 (sonic or ultrasonic or megasonic                                      |                     |            |
|     |     | or oscillator or oscillate or oscillation                                     | 1                   |            |
| 1   |     | or vibrate or vibration or vibrating or                                       | 1                   |            |
|     | [   | vibrator))  |                     | 0004/04/00 |
| -   | 21  | ((wafer or semiconductor or substrate)  | USPAT;              | 2004/04/29 |
|     |     | near15 (washing or wash or rinsed or  | US-PGPUB;           | 08:34      |
|     |     | rinsing or decontaminate or   | EPO; JPO;           |            |
|     |     | decontamination or decontaminating)) and                                      | DERWENT;            |            |
| 1   |     | ((holder or support or chuck or jig)  | IBM_TDB             |            |
|     |     | near15 ( vibrator))   | II.GDDE             | 2004/04/20 |
| -   | 26  |   | USPAT;              | 2004/04/29 |
|     | 1   | near15 (washing or wash or rinsed or  | US-PGPUB;           | 08:41      |
|     | 1   | rinsing or decontaminate or   | EPO; JPO;           | ]          |
|     | 1   | decontamination or decontaminating)) and                                      | DERWENT;            | , .        |
|     | 1   | ((holder or support or chuck or jig)  | IBM_TDB             |            |
|     | 1   | near15 (shook or shake or shakened or   |                     |            |
|     |     | shaken))  | IICDAM.             | 2004/04/29 |
| -   | 696 |   | USPAT;<br>US-PGPUB; | 09:05      |
|     |     | near15 (washing or wash or rinsed or  |                     | 03.03      |
| 1   |     | rinsing or decontaminate or   | EPO; JPO; DERWENT;  |            |
|     |     | decontamination or decontaminating)) and                                      |                     |            |
| 1   |     | (ozone near10 (gas or atmosphere or   | IBM_TDB             |            |
|     | 1   | generator))   | HEOCE               | 2004/04/29 |
| -   | 3   |   | USOCR               | 09:09      |
| 1   |     | near15 (washing or wash or rinsed or  |                     | 05.05      |
|     |     | rinsing or decontaminate or   |                     |            |
|     | ,   | decontamination or decontaminating)) and                                      |                     |            |
| 9   |     | (spray or sprayer or jet or nozzle or   |                     |            |
|     |     | spraying) and ((rotor or turntable or   |                     |            |
|     |     | rotary or rotating or rotate or rotates or chuck or holder or support) near10 |                     |            |
|     |     | (sonic or ultrasonic or megasonic or  |                     |            |
|     |     | oscillator or oscillating or oscillation                                      |                     | 1          |
|     |     | or vibrator or vibrating or vibration)  |                     |            |
| 1   | 1   | or vibracor or vibrating or vibracion))                                       | 1                   | <u> </u>   |

|   |         |   | MAD THE   | 2024/04/20 |
|---|---------|---|-----------|------------|
| - | 357     | ((wafer or semiconductor or substrate)    | USPAT;    | 2004/04/29 |
|   |         | near15 (washing or wash or rinsed or      | US-PGPUB; | 09:16      |
|   |         | rinsing or decontaminate or               | EPO; JPO; |            |
|   |         | decontamination or decontaminating)) and  | DERWENT;  |            |
| 1 |         | (spray or sprayer or jet or nozzle or     | IBM_TDB   | 20         |
|   |         | spraying) and ((rotor or turntable or     | *         |            |
|   |         | rotary or rotating or rotate or rotates   |           |            |
|   | ,       | or chuck or holder or support) near10     |           |            |
|   |         | (sonic or ultrasonic or megasonic or      |           |            |
|   |         | oscillator or oscillating or oscillation  |           |            |
|   | -       | or vibrator or vibrating or vibration))   |           | •          |
| _ | 410     |   | USPAT;    | 2004/04/29 |
|   | , 120   | near15 (washing or wash or rinsed or      | US-PGPUB; | 09:18      |
|   |         | rinsing or decontaminate or               | EPO; JPO; | · ·        |
|   |         | decontamination or decontaminating)) and  | DERWENT;  |            |
|   |         | (spray or sprayer or jet or nozzle or     | IBM TDB   |            |
|   |         | spraying) and ((spin or spinner or        |           | Į Į        |
| + |         | spinning or centrifuge or centrifuging or |           | ļ į        |
|   |         | rotor or turntable or rotary or rotating  |           |            |
|   |         | or rotate or rotates or chuck or holder   |           | <u> </u>   |
|   |         | or support) near10 (sonic or ultrasonic   |           | ,          |
|   |         | or megasonic or oscillator or oscillating |           | [          |
| 1 |         |   |           |            |
| 1 | 1       | or oscillation or vibrator or vibrating   |           |            |
|   | <u></u> | or vibration))                            | L         |            |